IN THE CLAIMS:

1. (Currently Amended) A drive unit comprising a DC motor having a rotor consisting of a plurality of coils connected to a commutator in connection with a set of brushes to establish a voltage across the coils, said DC motor, via a transmission, driving an adjustment means for adjusting an adjustable element in a structure in which the drive unit is incorporated, a power supply for driving said drive comprising a transformer having a primary side for connection to a mains voltage (alternating current) and a secondary side with rectification and smoothing for connection to the DC motor, a first control means to compensate for loss in the motor, thereby maintaining a speed thereof constant for a first period of time, a second control means that removes ripples in the voltage, thereby maintaining the speed of the motor constant for a second period of time, said second period of time being shorter in duration than said first period of time, and including an astable timer having a duty cycle which is controlled by output voltage and adjusted by input voltage, and wherein said first period of time is 30 msec. to 1 sec. and said second period of time is less than 10 msec.

2. (Cancel)

3. (Currently Amended) A drive unit comprising a DC motor having a rotor consisting of a plurality of coils connected to a commutator in connection with a set of brushes to establish a voltage across the coils, said DC motor, via a transmission, driving an adjustment means for

adjusting an adjustable element in a structure in which the drive unit is incorporated, a power supply for driving said drive comprising a transformer having a primary side for connection to a mains voltage (alternating current) and a secondary side with rectification and smoothing for connection to the DC motor, a first control means to compensate for loss in the motor, thereby maintaining a speed thereof constant for a first period of time, a second control means that removes ripples in the voltage, thereby maintaining the speed of the motor constant for a second period of time, said second period of time being shorter in duration than said first period of time, and including an astable timer having a duty cycle which is controlled by output voltage and adjusted by input voltage, wherein the second control means provides a forward step in which a duty cycle is expressed by k and V_{in}, and a power step in which V_{out} is expressed by V_{in} and the duty cycle, wherein the result of the forward step and the power step is $V_{out} = K$, and wherein V_{in} is an input voltage from the rectification, V_{out} is an output voltage from the power step, k is a constant given by actual circuits for the forward step and the power step, and wherein the duty step is the proportional time for which the power supply is loaded during a given period of time ~~The drive unit according to claim 2~~, wherein the forward step is given by[÷] duty cycle = K/V_{in}, and the power step by[÷] $V_{out} = V_{in} * \text{duty cycle}$.

4. (Currently Amended) A drive unit comprising a DC motor having a rotor consisting of a plurality of coils connected to a commutator in connection with a set of brushes to establish a voltage across the coils, said DC motor, via a transmission, driving an adjustment means for adjusting an adjustable element in a structure in which the drive unit is incorporated, a power supply for driving said drive comprising a transformer having a primary side for connection to a mains voltage (alternating current) and a secondary side with rectification and smoothing for connection to the DC motor, a first control means to compensate for loss in the motor, thereby maintaining a speed thereof constant for a first period of time, a second control means that removes ripples in the voltage, thereby maintaining the speed of the motor constant for a second period of time, said second period of time being shorter in duration than said first period of time, and including an astable timer having a duty cycle which is controlled by output voltage and adjusted by input voltage, wherein the second control means provides a forward step in which a duty cycle is expressed by k and V_{in}, and a power step in which V_{out} is expressed by V_{in} and the duty cycle, wherein the result of the forward step and the power step is $V_{out} = K$, and wherein V_{in} is an input voltage from the rectification, V_{out} is an output voltage from the power step, k is a constant given by actual circuits for the forward step and the power step, and wherein the duty step is the proportional time for which the power supply is loaded during a given period of

time~~The drive unit according to claim 2~~, wherein the forward step is given by[÷] duty cycle = V_{in}/k, and the power step by[÷] $V_{out} = V_{in}/$duty cycle.

5-7. (Cancel)